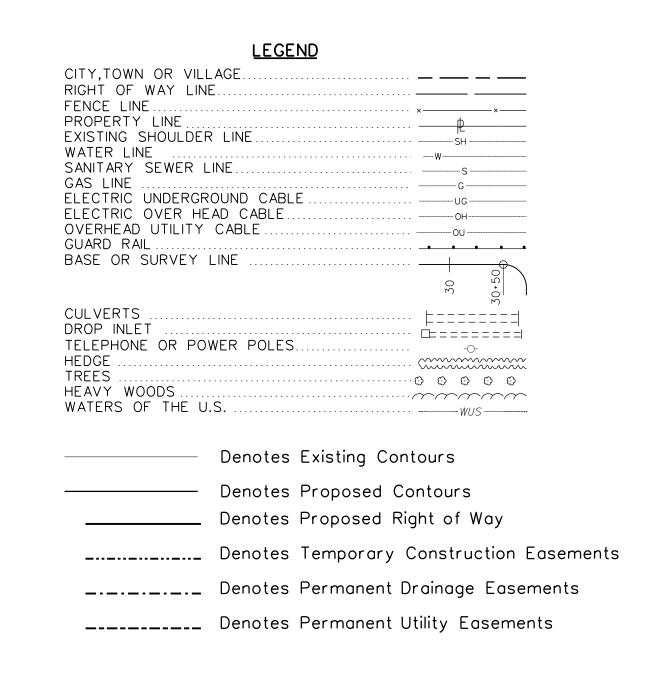
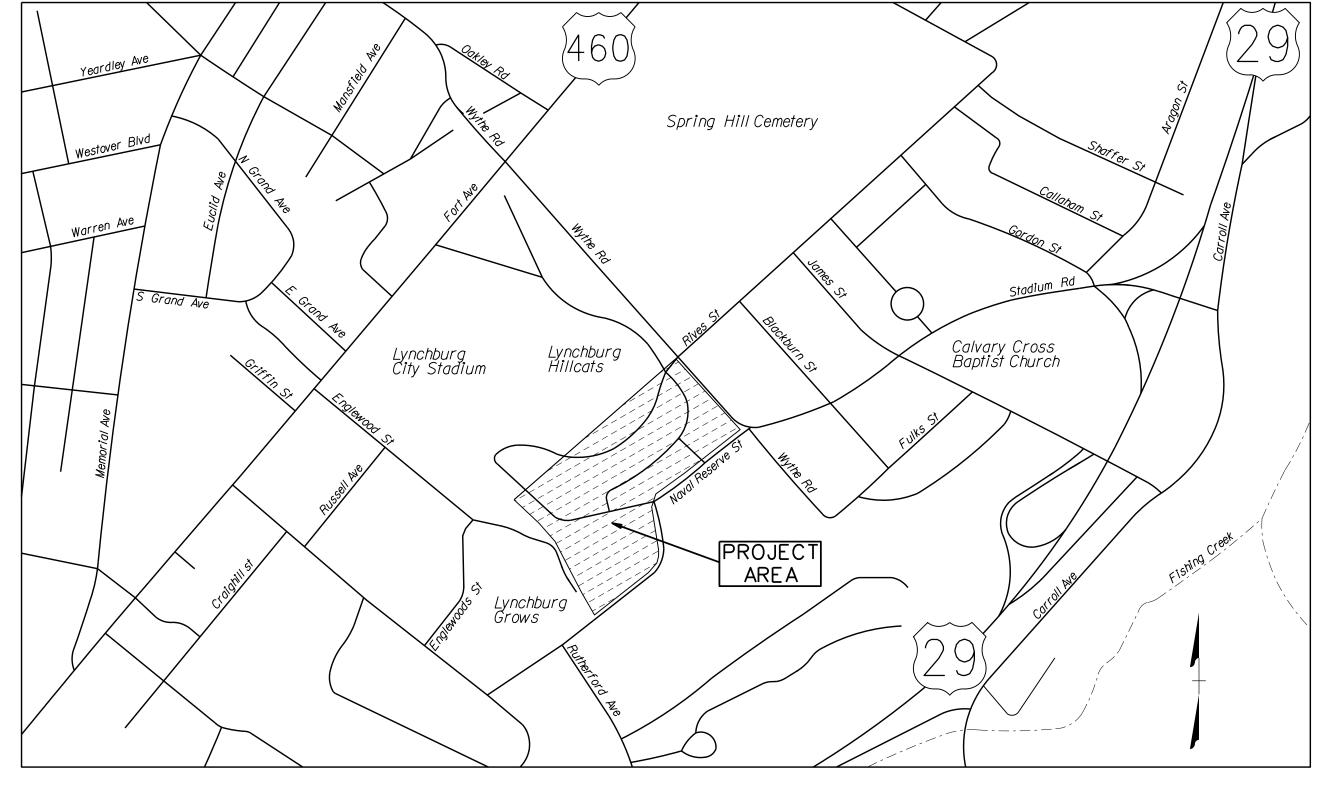
City of Lynchburg, Pirginia STADIUM LANDSCAPE PLANS

STATE	FEDERAL AID		SHEET	
STATE	PROJECT	ROUTE	PROJECT	NO.
VA.		х	OOOO-OOO-OOO SEE TABULATIONS BELOW FOR SECTION NUMBERS	I

FINAL PLANS NOVEMBER 1, 2016

MAYOR	JOAN FOSTER
VICE MAYOR	TRENEY TWEEDY
CITY MANAGER	BONNIE SVRCEK
DIRECTOR OF PUBLIC WORKS	GAYNELLE HART

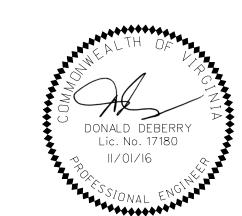




NOT TO SCALE

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1	TITLE SHEET	
1A	SURVEY DATA	
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THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CITY OF LYNCHBURG MANUAL OF SPECIFICATIONS & STANDARD DETAILS, THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS, THE VDOT ROAD AND BRIDGE STANDARDS, THE VDOT WORK AREA PROTECTION MANUAL, THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, AND THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS OR PLANS, THE MOST STRINGENT SHALL GOVERN.





REVISED

\$REF001 *\$REF002* \$REF003 *\$REF006* \$DGN\$ *\$REF004* \$DGNLEV \$LEV003 \$LEV004 \$LEV005 \$LEV006 \$LEV001 \$LEV002

PROJECT MANAGER*William_"Clay" Simmons, P.E.(434)_455-4443______* SURVEYED BY, DATE BERKLEY HOWELL & ASSOC, P.C., JI-16-2011 DESIGN BY McCormick_Taylor_Inc.(804-762-5800)______ SUBSURFACE UTILITY BY, DATE ______

IRON PIN SET

EDGE OF PAVEMENT EDGE OF GRAVEL

WATER LINE LOCATION

SMALL IRRIGATION HEAD LARGE IRRIGATION HEAD TELEPHONE PEDESTAL TELEPHONE MANHOLE

UNDERGROUND TELEPHONE LINE

IP IRON PIPE FOUND R/W RIGHT-OF-WAY

> FIRE HYDRANT WATER METER WATER VALVE WATER MANHOLE

EMH ELECTRIC MANHOLE EV ELECTRIC VAULT

ELP ELECTRIC PEDESTAL ET ELECTRIC TRANSFORMER STADIUM LIGHTS LIGHT POLE UTILITY POLE

GUY WIRE

EM ELECTRIC METER

II INVERT IN IO INVERT OUT

DI DROP INLET CB CATCH BASIN

SD STORM DRAIN FD FIELD DRAIN

FENCE

B BOLLARD

SURVEYING WAS PERFORMED TO MAKE THIS DETERMINATION.

8. TOTAL PARKING SPACES - 286 INCLUDING 15 HANDICAP.

SIDE - 8 FEET

PROBLEMS LOCATED WITHIN THE PERIMETER OF THE PROPERTY SHOWN.

0 0 0

EXCEPT AS SHOWN.

UNLESS OTHERWISE NOTED.

6. HORIZONTAL DATUM - NAD 83 VERTICAL DATUM - NGVD 29

BOUNDARY OF THE SURVEYED PROPERTY.

9. BUILDING SET BACKS: FRONT - 30 FEET

CONCRETE GUARDRAIL

TC TERRA COTTA PIPE

OVERHEAD UTILITIES

UNDERGROUND ELECTRIC

SANITARY SEWER CLEAN-OUT SANITARY SEWER LINE

SSMH SANITARY SEWER MANHOLE

STMH STORM SEWER MANHOLE

STORM SEWER LINE

PVC POLYVINYL CHLORIDE PIPE

OUTFIELD FENCE

FIBER OPTIC LINE FOV FIBER OPTIC VAULT GAS LINE GR GAS REGULATOR FP FLAG POLE

SPOT ELEVATION

HANDICAP PARKING SPACE

1. THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT NECESSARILY INDICATE ALL ENCUMBRANCES UPON THE TITLE.

3. THIS PLAT DOES NOT PURPORT TO ADDRESS THE EXISTENCE, DETECTION OR DELINEATION OF ANY ENVIRONMENTALLY SENSITIVE AREAS OR ANY ENVIRONMENTAL

4. THIS PLAT HAS BEEN PREPARED FROM AN ACTUAL FIELD SURVEY DONE AS PER DATE OF THIS PLAT AND THERE ARE NO VISIBLE ENCROACHMENTS OR EASEMENTS

5. THIS TOPOGRAPHIC SURVEY OF CITY STADIUM WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF KEVIN A. MERKEY, LS #2217 FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE ORIGINAL DATA WAS OBTAINED ON OCTOBER 24, 2011; AND THAT THIS PLAT MEETS MINIMUM ACCURACY STANDARDS

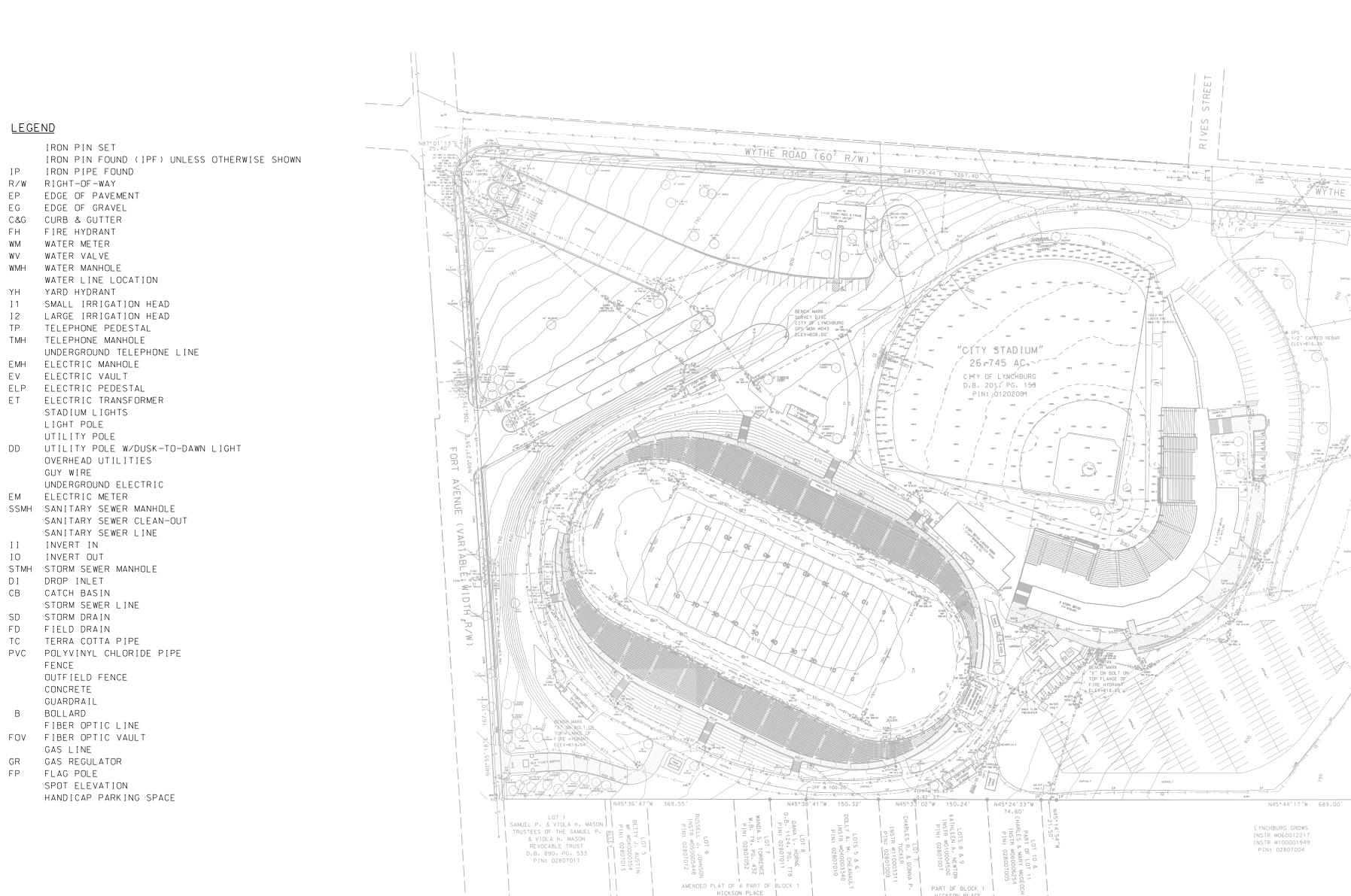
7. THE RIGHT-OF-WAY/BOUNDARY LINES ALONG WYTHE ROAD AND THE FIRST 442.75 FEET OF NAVAL RESERVE ROAD DO NOT MATCH RECORD INFORMATION IN THE CHAIN OF TITLE, THE LINES SHOWN REPRESENT ENGINEERING DRAWINGS AND ROAD PLANS OF RECORD WITH A FEW MODIFICATIONS TO EXCLUDE ANY ROAD IMPROVEMENTS IN THE

2. BY GRAPHIC SCALING ONLY, THIS PROPERTY IS LOCATED IN ZONE "X" (NOT IN A DESIGNATED FLOOD AREA) ACCORDING TO THE F.E.M.A. FLOOD INSURANCE RATE MAP FOR THE CITY OF LYNCHBURG (#5100930043D) DATED JUNE 3, 2008. NO FIELD

SURVEY ALIGNMENT DATA

REVISED				
	STATE	ROUTE	PROJECT	SHEET NO.
	VA.		STADIUM LANDSCAPING	/A

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE ENGINEER





SHEET NO.

 \$DGN\$
 \$REF001
 \$REF002
 \$REF003

 \$DGNLEV
 \$LEV001
 \$LEV002
 \$LEV003

PROJECT MANAGER*William_"Clay" Simmons,P.E.(434)_455-4443______*SURVEYED BY, DATE *BERKLEY HOWELL_&_ASSOC.,P.C.,II-I6-20IL_____*DESIGN BY *McCormick_Taylor_Inc.(804-762-5800)_____*SUBSURFACE UTILITY BY, DATE_____

GENERAL NOTES

- 1. Work on this project shall conform to the latest editions of the City of Lynchburg Manual of Specifications & Standard Details, the Virginia Department of Transportation (VDOT) Road and Bridge Specifications, the VDOT Road and Bridge Standards, the VDOT Work Area Protection Manual, the Virginia Erosion and Sediment Control Handbook, and the Virginia Erosion and Sediment Control Regulations. In the event of conflict between any of these standards, specifications or plans, the most stringent shall govern.
- 2. The location of existing utilities as shown is approximate only. The contractor is responsible for locating all public or private utilities that lie in or adjacent to the construction site. The contractor shall be responsible for repairing, at his expense, all existing utilities damaged during construction. Forty-eight (48) hours prior to any excavation call Miss Utility 1 (800) 552-7001.
- 3. The Contractor shall verify all existing features shown on the survey and immediately notify the Engineer of any field conditions that differ from the existing features shown on the plans. Work done by the Contractor after his discovery of such discrepancies shall be done at the Contractor's risk.
- 4. Design features relating to construction or to regulation and control of traffic may be subject to change as deemed necessary by the City of Lyncburg.
- 5. The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.
- 6. The cost of removal and disposal of all existing items located in the areas to be graded, including, but not limited to the following, shall be included in the price bid for Earthwork: curb, curb & gutter, entrances, sidewalk, inlets, pipe, concrete slabs and foundations.
- 7. The borrow material for this project shall be a minimum CBR 10 or as approved by the Engineer.
- 8. The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.
- 9. The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Contractor shall confer with, and get approval from, the Engineer before installing the culvert or storm sewer outfall pipe.
- 10. The "H" dimension shown on plans for drop inlets and junction boxes and the "L.F." dimensions shown for manholes are for estimating purposes and are based on the proposed invert elevations shown for the structure and the anticipated top (rim) elevation based on existing or proposed finished grade. The actual "H" or "L.F." dimensions are to be determined by the contractor from field conditions.
- 11. All pipe on this project shall be concrete. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height cover, see applicable sections of the VDOT Road and Bridge Standards PC-1.
- 12. Where open joint pipe is to be used, no joint shall be opened a distance exceeding 25% of the spigot length. Sealing of the pipe joint shall be in accordance with Section 302 of the applicable VDOT Road and Bridge Specifications.
- 13. A pipe joint length different from that stated on the plans may be used. An adjustment in the percentage of open joint (not to exceed 25% of the spigot length) or amount of bevel shall be made that will obtain the radius stated on the plans. Extra payment for this adjustment will not be allowed. The proposed adjustment shall be approved by the Engineer prior to installation of the pipe line.
- 14. The proposed riprap may be omitted by the Engineer if the slope designated for placement of riprap is found to be comprised of solid rock or closely consolidated boulders with soundness, size and weight equal to, or exceeding, the specifications for proposed riprap.
- 15. All existing drainage facilities labeled "To Be Abandoned" shall be left in place, backfilled and plugged in accordance with the VDOT Road and Bridge Standard PP-1. The cost incidental to this and the Flowable Backfill shall be included in the contract price for other items.
- 16. Existing drainage facilities being utilized as a part of the drainage system, and designated on the plans "To Be Cleaned Out" shall be cleaned as directed by the Engineer. The cost incidental to this shall be included in the contract price for other items.

- 17. Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT Road and Bridge Standards shall be considered and paid for as Standard Drop Inlets for the type specified.
- 18. All pavement, stone, base, and saw cut required to install the new curbing shall be paid as incidental to the curb cost.
- 19. Clearing and grubbing shall be confined to those areas needed for construction. No trees or shrubs in ungraded areas shall be cut without the permission of the Engineer.
- 20. All pavement markings and traffic flow arrows shown on the roadway construction plans are schematic only. The actual location and application of pavement markings shall be in accordance with Section 704 of the applicable VDOT Road and Bridge Specifications, MUTCD, sequence of construction/traffic control plans, pavement marking on plan Sheet 8 and as directed by the Engineer.
- 21. The following sources, under contract with the City of Lynchburg, have provided information on this project:

Hydraulic Design - EPR, P.C.
Roadway Design - McCormick Taylor, Inc.
Utility Design - N/A
Utility Designation - MISS UTILITY and City
Survey - Berkley-Howell & Associates, and P.C. Perkins & Orrison, Inc.

If questions or problems arise during construction, please contact the City of Lynchburg attn: Clay Simmons DPWD 434-455-4450. DO NOT CONTACT THE OUTSIDE SOURCES.

- 22. The temporary erosion and siltation control items shown on the plans are intended to provide a general plan for controlling erosion and siltation within the project limits. The Erosion & Sediment Control (ESC) Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the Project Engineer and/or Environmental Monitor, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require emergency analysis) shall be submitted to the City of Lynchburg for review and approval. Any changes to the proposed ESC Plan must be noted on a designated plan set (Record Set) which shall be retained on the project site and made available upon request.
- 23. The areas beyond the project's construction area are to be protected from siltation in accordance with the Virginia Erosion and Sediment Control Handbook. Perimeter controls such as filter barrier, silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.
- 24. Rock for Check Dams, Drop Inlet Silt Traps, Erosion Control Stone and Riprap shall be in accordance with Section 203 and Section 414 of the applicable VDOT Road and Bridge Specifications.
- 25. All disturbed areas shall be fertilized and seeded with the applications as follows until a suitable stand of grass is obtained and approved by the Engineer.

 Fertilizer (10-10-10) @ 1000 lb/acre or Approved Equivalent
 Ground Limestone @ 1 ton/acre
 Grass Seed (Ky. 31 Fescue) @ 150 lb/acre
 Mulch (Straw or Approved Equivalent) @ 400 lb/acre
 If construction takes place between November 1 and April 1, an additional 150 lb/acre of Rye grass is required.
- 26. Items depectided as NIC are not included in Contract.
- 27. All seeded and landscaped areas shall be watered with a minimum of 1/2 rainfall equivalent every 3 days from installation until first hard freeze. This water will be supplied and paid for by the contractor and should be included in the bid item for the individual seed and landscape items if bid separately or in the mobilization item if bid lump sum.
- 28. All seeding and landscaping will be guaranteed by the contractor from 1 year of installation.
- 29. All old lighting poles, bases, and wiring that is being replaced by new lighting shall be demoed and removed by contractor with the cost being incidental to the pole bases and conduit.

REVISED	STATE	STATE		SHEET NO
	SIAIE	ROUTE	PROJECT	SHEET NO.
	VA.		STADIUM LANDSCAPING	2

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE ENGINEER

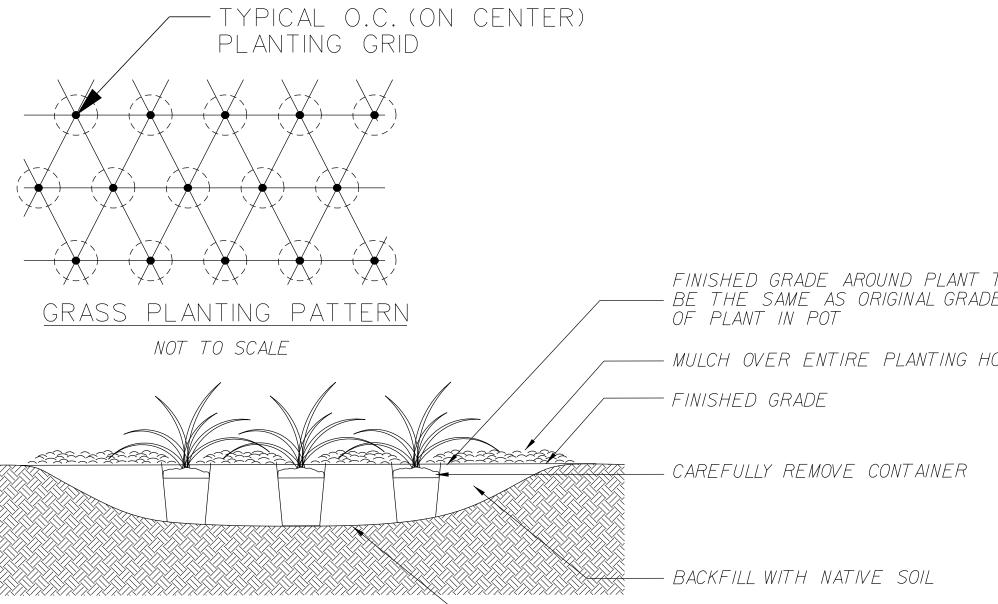
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ROJECT MANAGER*William_"Clay" Simmons,P.E.(434)_455-4443_____* SURVEYED BY, DATE *BERKLEY HOWELL_&_ASSOC.,P.C.,JI-16-201L_____* DESIGN BY McCormick_Taylor_lnc.(804-762-5800)__________ SUBSURFACE UTILITY BY, DATE ________

	MASTER PLANTING SCHEDU	LE		
SHADE TREES, SPACING 20' O.C.				
SYMBOL	SPECIES	003	004	TOTAL
AR	Acer rubrum / Red Maple	2	13	15
CM	Lagerstroemia 'Natchez' / Natchez Crepe Myrtle	0	15	15
PI	Pistacia chinensis / Chinese Pistache	26	17	43
	SHRUBS, SPACING 5' O.C.			
SYMBOL	SPECIES	003	004	TOTAL
AB	Abelia × grandiflora / Glossy Abelia	10	42	52
СР	Berberis thunbergii 'Crimson Pygmy' / Crimson Pygmy	0	53	53
CS	Cornus sericea / Red Twig Dogwood	0	38	38
EN	Euonymus alatus / Burning Bush	31	0	31
CA	Ilex cornuta 'Carissa' / Carissa Holly	40	0	40
NA	Nandina domestica 'Compacta' / Dwarf Heavenly	0	16	16
GM	Spiraea japonica 'Goldmound' / Goldmount Spirea	45	0	45
LP	Spiraea japonica 'Little Princess' / Little Princess Spirea	22	95	117
NF	Spiraea japonica 'Neon Flash' / Neon Flash Spirea	76	7	83
GT	Thuja occidentalis 'Gold Drop' / Gold Drop Arborvitae	0	24	24
PV	Viburnum 'Pragense' / Prague Viburnum	0	22	22
WR	Weigela florida 'Alexandra' P.P. / Wine & Roses	0	21	21
	ORNAMENTAL GRASSES, SPACING 24" O.C.			
SYMBOL	SPECIES	003	004	TOTAL
PH	Pennisetum alopecuroides 'Hameln' / Pennisetum	0.0000	130	130
	GRASS SEEDING			
SYMBOL	SPECIES	003	004	TOTAL (SY)
EC	Eragrostis curvula / Weedping Lovegrass	326	1696	2022



GRASS PLANTING NOTES: I. WATER THOROUGHLY AFTER INSTALLATION. 2. FOR PLANTING BED INSTALLATION EXCAVATE ENTIRE GRASS BED AS SHOWN ON PROJECT DRAWINGS 3. PLANTING HOLE SHALL BE TWICE THE WIDTH OF THE CONTAINER

GRASS PLANTING DETAIL

PLANTING NOTES:

1. Contractor shall refer to VDOT SPECIFICATIONS SECTION 605

2. Sources of Supply: All plants shall be obtained from a nursery certified by the VDACS with a $\frac{7}{32}$ Certificate of Registration \%_32, or certified by a comparable agency responsible for nursery inspection and issuance of a $\frac{7}{32}$ Certificate of Registration $\frac{9}{32}$ from the State of origin. The Contractor shall supply the Engineer with a copy of this certification with each and cultivar in the sizes amount, and quality (if separate delivery of plant materials to the project site.

3. Inspecting and Identifying Plants: Plants will be inspected and identified by the Engineer in accordance with the Standardized Plant Names. The Engineer may inspect plants at any time and place. Plants will be inspected immediately prior to being planted. If plants are installed prior to inspection and found to be noncompliant, they shall be replaced with Department approved plants at the Contractor $\frac{5}{32}$ s expense.

4. Substitutions: When requesting permission to substitute, the Contractor shall submit to the Engineer written evidence in accordance with paragraph (a) herein of the Contractor contacting at least'3 certified 1 and April 30, and in the Fall between October 15 and nurseries in search of specified plants, verifying their unavailability, and provide the Engineer with the nursery contact information including date, time, and contact name and title. The Engineer may direct the Contractor to contact additional nurseries or Contractor shall suggest substitute plants that best conform to the Contract. If the Engineer approves the substitution, the Contractor shall indicate the price change. Substitute plant materials shall conform to the same requirements as plant materials originally designated in the Contract. As an option, the Engineer may also delete plants from the Contract in lieu of approving substitutions.

5.) Labeling: Plant material delivered to the project shall be legibly identified with a waterproof label as to the genus, species (common and botanical name), cultivar, quality (where applicable), and size of the plants.

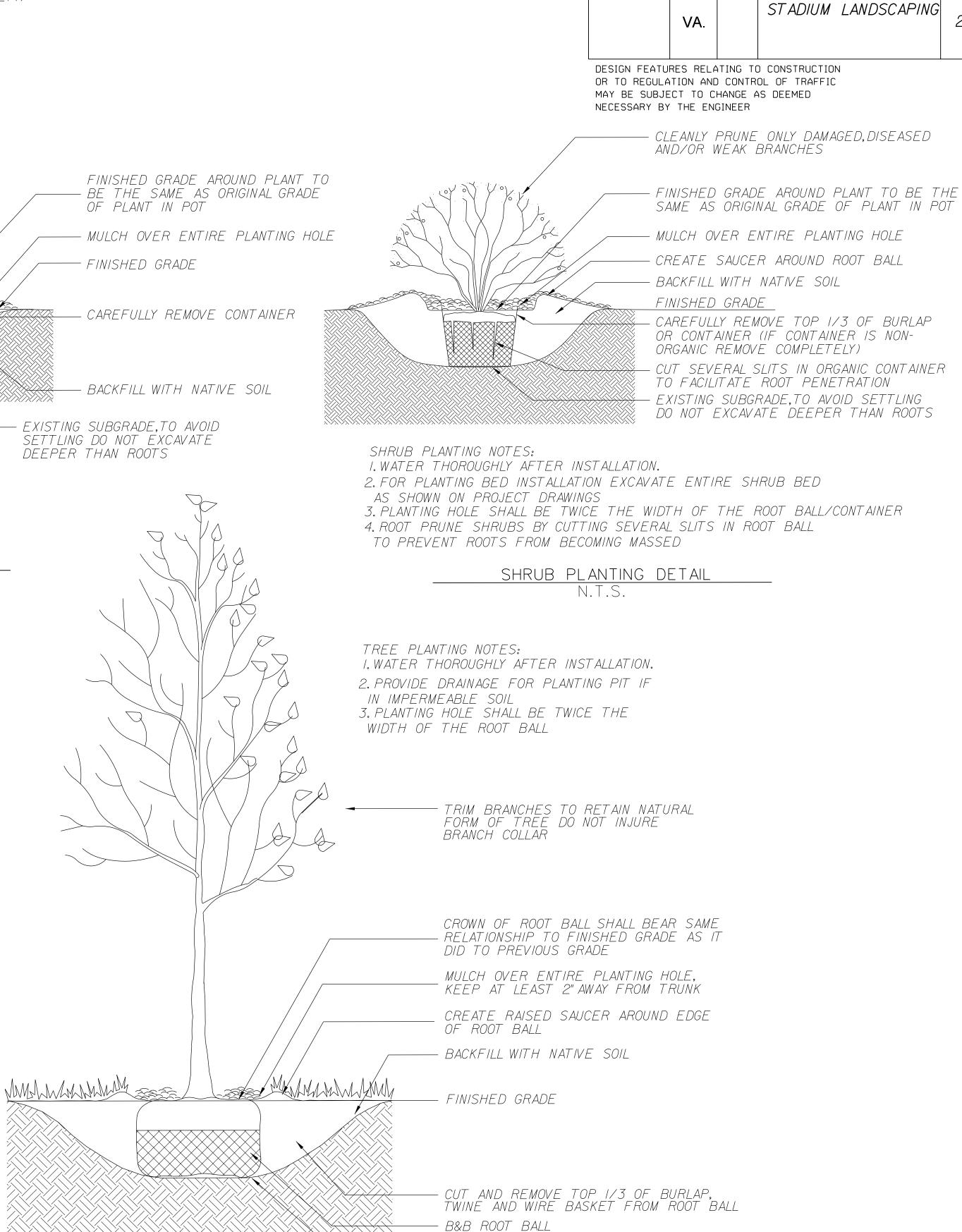
6.Delivery: The Contractor shall notify the Engineer at least 48 hours in advance of the anticipated delivery date for plants. The Contractor shall submit a legible copy of the invoice showing the sources of supply, all species by common and botanical name, specific variety, applicable) reserved in each shipment to the Engineer.

7. Storing: When plants are to be stored prior to installation, they shall be stored at a location approved by the Engineer. The Engineer will reject any plants stored for more than 30 days. Balled material, container-grown plants, and plants in plantable pots that are not installed within 48 hours of delivery shall be grouped together according to the method of containment they are delivered in, and shall have their root zones protected by covering their root balls or containers with wet sawdust, mulch or other approved material.

8. B&B planting shall occur in the Spring between March December 15.

9. Grass Planting shall occur in the spring between April 14 and June 30, and in the Fallbetween September 1 and October 30.

10. A installed plants, seeded and landscaped areas, shall be watered with a minimum of 1/2 rainfall equivalent every 3 days from installation until first hard freeze. This water will be supplied and paid for by the contractor and should be included in the bid item for the individual seed and landscape items if bid separately or in the mobilization item if bid lump sum.



EXISTING SUB GRADE, TO AVOID SETTLING DO NOT EXCAVATE BENEATH ROOT BALL

TREE PLANTING DETAIL

N.T.S.

REVISED

ROUTE

PROJECT

SHEET NO.

LYNCHBURG ST ADIUM

